

Achnantheidium catenatum (Bily & Marvan) Lange-Bertalot 1999

(Plate 1: Figs S1-S11)

References: Hofmann et al. (2013: 79, pl. 23: 67-73), Bey and Ector (2013: 89), Krammer and Lange-Bertalot (1991: 62, pl. 34: 23-24).

	Morphological parameters	Observations in soda pans
	(µm)	(µm)
Length	9-16	8.2-16.4
Width	3-3.5	2.8-3.4
Striae	28-30	28-30

Distribution in soda pans of the Carpathian basin

Lakes	Csárda-szék, Hattyús-szék, Pirtói Nagy-tó, Szarvas-tó
Mean / max. abundance	1.6% /4.39%
Constancy	1 (1.0%)

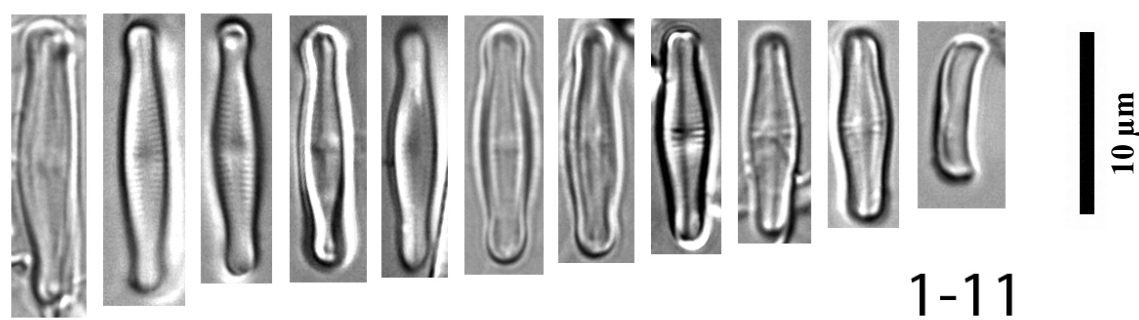


Plate 1: *Achnantheidium catenatum*. **Figs S1-S11:** Pirtói Nagy-tó. - **Figs S1-S10:** valve view; **Fig. S11:** girdle view.

***Achnanthidium saprophilum* (Kobayasi & Mayama) Round & Bukhtiyarova**

1996

(Plate 2: Figs S1-S11)

References: Hofmann et al. (2013: 86, pl. 23: 46-50), Krammer and Lange-Bertalot (1991: 59, pl. 34: 13-19).

	Morphological parameters	Observations in soda pans
	(μm)	(μm)
Length	8-15	8.4-2.2
Width	3-4	3-3.7
Striae	28	26-28

Distribution in soda pans of the Carpathian basin

Lakes	Bába-szék, Bogárzó, Kelemen-szék, Sós-ér
Mean / max. abundance	1.5% / 3.7%
Constancy	1 (1.8%)

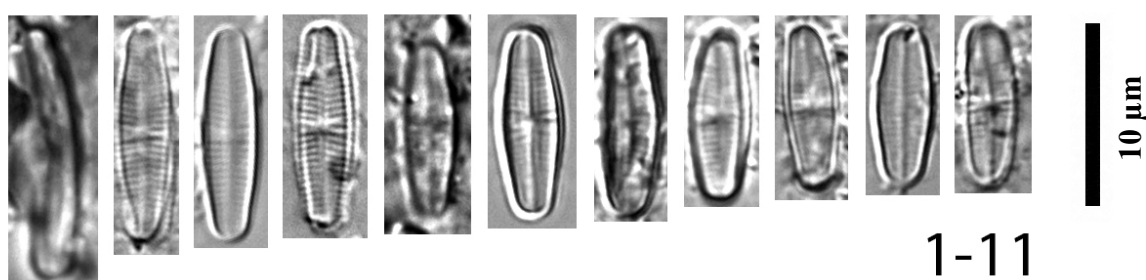


Plate 2: *Achnanthidium saprophilum*. **Fig. S1:** Kelemen-szék; **Figs S2-S4:** Sós-ér; **Figs S5, S7, S9:** Bogárzó; **Figs S6, S10-S11:** Bába-szék; **Fig. S8:** Böddi-szék. - **Fig. S1:** girdle view; **Figs S2-S11:** valve view.

Adlafia minuscula (Grunow) Lange-Bertalot var. *minuscula* 1999

(Plate 3: Figs S1-S12)

References: Hofmann et al. (2013: 91, pl. 42: 76-80), Lange-Bertalot (2001: 108, pl. 108:4-10; 106: 5-8), Bey and Ector (2013: 335), Krammer and Lange-Bertalot (1999: 207, pl. 69: 18-23).

	Morphological parameters	Observations in soda pans
	(µm)	(µm)
Length	10-16	10.5-11.9
Width	3.2-4.8	3.2-3.8
Striae	35-45	-

Distribution in soda pans of the Carpathian basin

Lakes	Büdös-szék (Pusztaszer), Fehér-szék, Kelemen-szék, Kondor-tó, Pirtói Nagy-tó, Zab-szék
Mean / max. abundance	1.2% / 3.0%
Constancy	1 (2.0%)

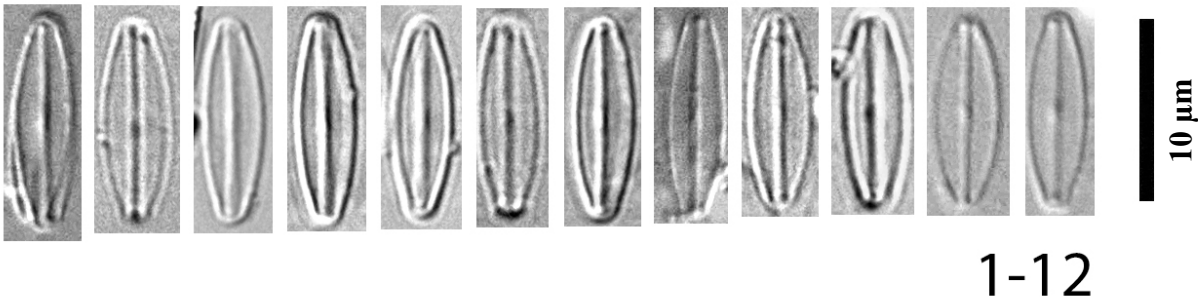


Plate 3: *Adlafia minuscula* var. *minuscula*. **Figs S1-S12:** Pirtói Nagy-tó. - **Figs S1-S12:** valve view.

Craticula halopannonica Lange-Bertalot 2001

(Plate 4: Figs S1-S8)

References: Lange-Bertalot (2001: 114, pl. 91: 1-7).

	Morphological parameters	Observations in soda pans
	(µm)	(µm)
Length	50-70	47.6-55.2
Width	10-13	10.1-12.3
Striae	15-18	15-18

Distribution in soda pans of the Carpathian basin

Lakes	Bába-szék, Bogárzó, Böddi-szék, Kelemen-szék, Sós-ér, Zab-szék
Mean / max. abundance	1.9% / 7.7%
Constancy	1 (7.1%)

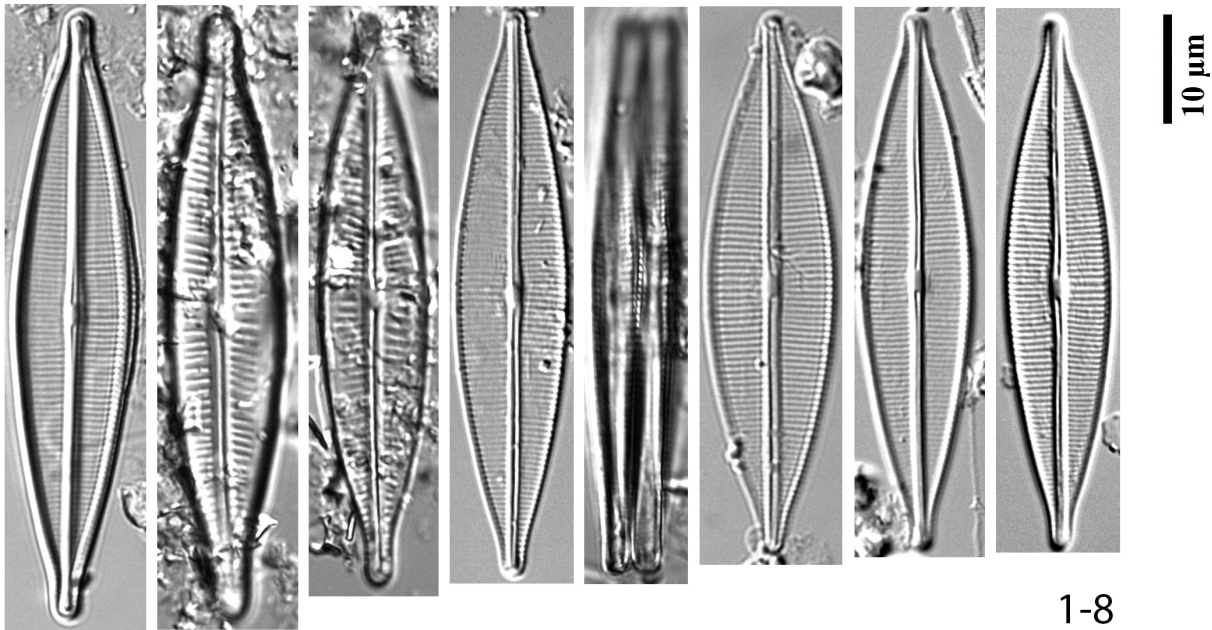


Plate 4: *Craticula halopannonica*. **Figs S1-S8:** Bába-szék. - **Figs S1-S4, S6-S8:** valve view; **Fig. S5:** girdle view.

Craticula minusculoides (Hustedt) Lange-Bertalot 2001

(Plate 5: Figs S1-S16)

References: Hofmann et al. (2013: 140, pl. 45: 11-15), Lange-Bertalot (2001: 115, pl. 93: 7-15), Krammer and Lange-Bertalot (1999: 129, pl. 45: 10-13).

	Morphological parameters	Observations in soda pans
	(µm)	(µm)
Length	13.5-16.5	13.8-16.1
Width	4.5-6	4.3-5.2
Striae (middle)	24-26	20-24

Distribution in soda pans of the Carpathian basin

Lakes	Bogárzó, Böddi-szék, Sós-ér, Zab-szék
Mean / max. abundance	6.8% / 20.9%
Constancy	1 (3.5%)

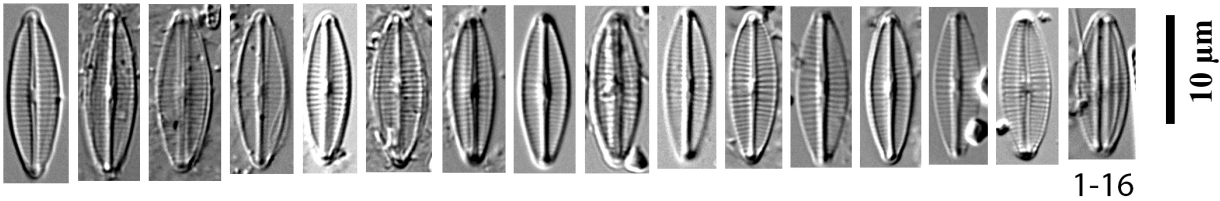


Plate 5: *Craticula minusculoides*. **Figs S1-S16:** Bogárzó. - **Figs S1-S16:** valve view.

***Craticula* sp. 1**

(Plate 6: Figs S1-S8)

Morphological parameters		Observations in soda pans
	(µm)	(µm)
Length	-	25.8-40.3
Width	-	7.9-12.2
Striae	-	16-18

Distribution in soda pans of the Carpathian basin

Lakes	Bába-szék, Sós-ér, Zab-szék
Mean / max. abundance	6.6% / 28.8%
Constancy	1 (1.8%)

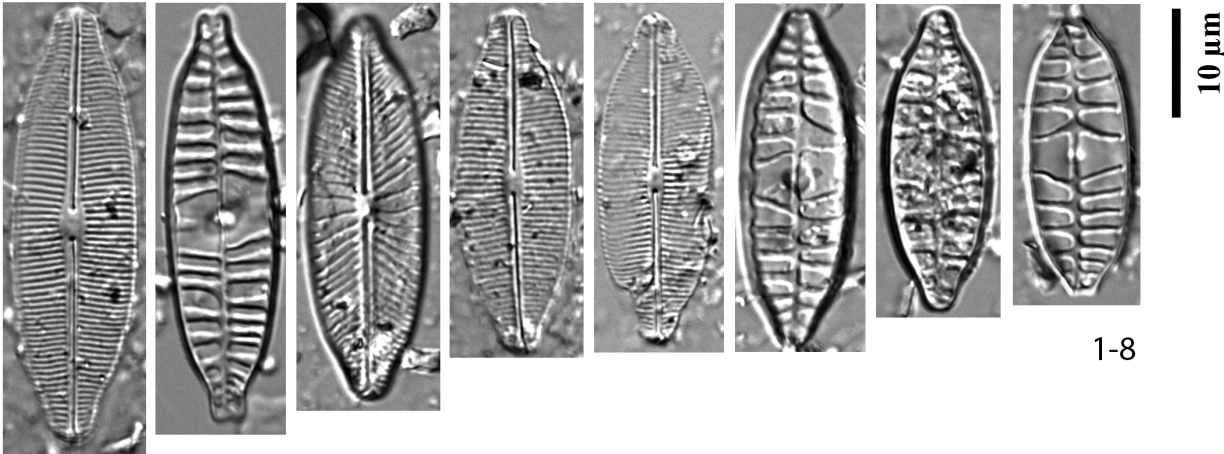


Plate 6: *Craticula* sp. 1. **Figs S1-S8:** Sós-ér. - **Figs S1-S8:** valve view.

***Fistulifera saprophila* (Lange-Bertalot & Bonik) Lange-Bertalot 1997**

(Plate 7: Figs S1-S12)

References: Hofmann et al. (2013: 248, pl. 49: 6-7), Lange-Bertalot (2001: 150, pl. 111: 1-4; 112: 2), Taylor et al., (2007: pl. 53), Bey and Ector (2013: 436-437), Krammer and Lange-Bertalot (1999: 207, pl. 74: 35-36; 75: 38).

	Morphological parameters	Observations in soda pans
	(µm)	(µm)
Length	(3.8) 4.5-7.6	5.4-8
Width	2-4	2.5-3.9
striae	-	-

Distribution in soda pans of the Carpathian basin

Lakes	Bába-szék, Bogárzó, Böddi-szék, Büdös-szék, Büdös-szék (Pusztaszer), Kelemen-szék, Neubruck, Sós-ér, Zab-szék
Mean / max. abundance	10.5% / 83.5%
Constancy	1 (15.4%)

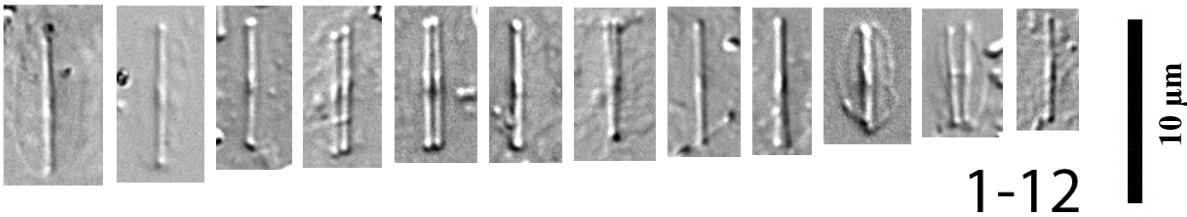


Plate 7: *Fistulifera saprophila*. **Fig. S1:** Böddi-szék; **Fig. S2:** Bogárzó; **Figs S3-S11:** Sós-ér; **Fig. S12:** Bába-szék. - **Figs S1-S12:** valve view.

Navicula sp. 1

(Plate 8: Figs S1-S12)

Morphological parameters		Observations in soda pans
	(µm)	(µm)
Length	-	28.3-36.7
Width	-	6.1-7
Striae	-	14-15

Distribution in soda pans of the Carpathian basin

Lakes	Bába-szék, Bogárzó, Sós-ér
Mean / max. abundance	3.8% / 9.4%
Constancy	1 (2.8%)

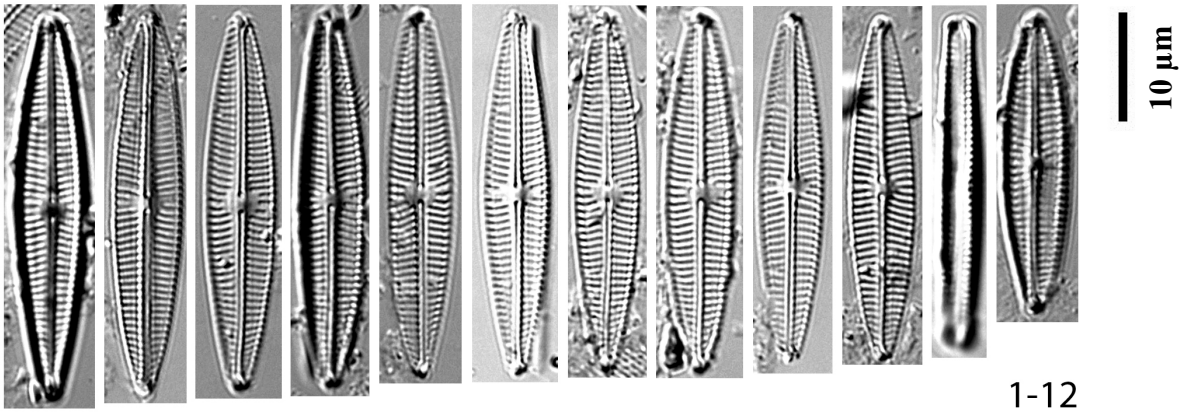


Plate 8: *Navicula* sp. 1. **Figs S1-S12:** Sós-ér. - **Figs S1-S10, S12:** valve view; **Fig. S11:** girdle view.

Navicula sp. 2

(Plate 9: Figs S1-S13)

Morphological parameters		Observations in soda pans
	(µm)	(µm)
Length	-	17.8-27.5
Width	-	4.9-5.6
Striae	-	14-16

Distribution in soda pans of the Carpathian basin

Lakes	Bába-szék, Böddi-szék, Kelemen-szék, Sós-ér, Zab-szék
Mean / max. abundance	0.6% / 1.3%
Constancy	1 (2.5%)

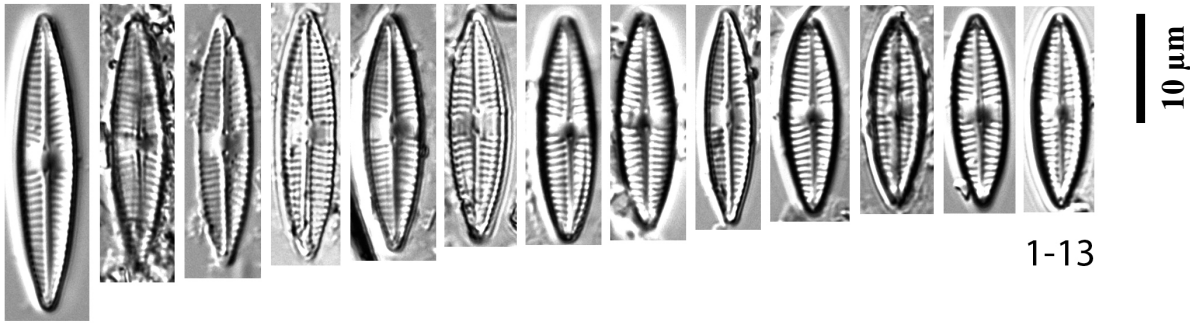


Plate 9: *Navicula* sp. 2. Figs S1-S13: Sós-ér. - Figs S1-S13: valve view.

References

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